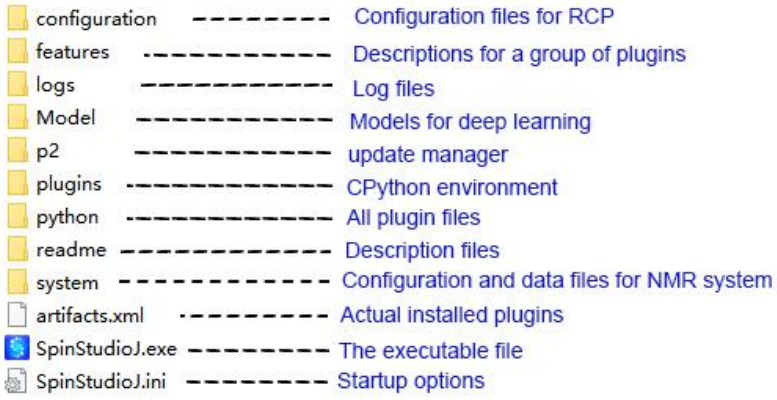
The requirements of scripting system SpinSPJ

1.SpinSPJ depends on SpinStudioJ and scripting environment of CPython. All the files can be downloaded from http://www.spinstudioj.net/spinspj.

2. For NMR software SpinStudioJ, the files are displayed in following figure.



File list of SpinStudioJ

3. For script environment, a significant configuration file "system/config/pyconfig.ini" gives the location of CPython libraries. CPython native libraries are provided by the folder "python". The libraries and versions are listed as follows:

Python>=3.6
Scipy>=1.4.1
Sklearn>=0.24
Numpy>=1.16.4
Pandas>=1.0.5
Matplotlib>=3.2.2
Pillow>=7.2.0
Jep>=3.9.1
Setuptools>=50.3.0
h5py>=2.10.0
pydes>=2.0.1
tensorflow>=1.14.0 (CPU version)
tensorflow-gpu>=1.14.0 (GPU version)

4.Deep learning libraries such as tensorflow offer versions of CPU and GPU. GPU version is for parallel computing. If you need fast deep learning and have a high-performance graphics card, please choose GPU version of libraries.

5.SpinStudioJ and SpinSPJ support windows/Linux versions. Users can choose which version is needed.